

Title (en)

Method of assembling a motor with ball bearings

Title (de)

Verfahren zur Montage eines Motors mit Kugellagern

Title (fr)

Méthode d'assemblage d'un moteur avec des roulements à billes

Publication

EP 1265339 B1 20040908 (EN)

Application

EP 02004392 A 20020306

Priority

JP 2001173673 A 20010608

Abstract (en)

[origin: EP1265339A1] Cup ring 8 and holding-plate 11, disposed at each side of front bracket 7, sandwich tightly an outer ring of front ball-bearing 10 in order to prevent creep between a bearing housing and the outer ring. A thickness of bearing shim 12 is adjusted such that an axial clearance between the front ball-bearing and a rear ball-bearing falls within a range from 0.02 to 0.1 mm. Holding plate 11 is temporarily fixed to a given place of motor shaft 1, then screwed down thereto with screw 14, so that plate 11 moves and solidly contacts with the outer ring of front ball bearing 10. An outer diameter of shaft 1 extending between the given place and bearing 10 is smaller than a center hole of holding plate 11, thus plate 11 does not touch shaft 1. <IMAGE>

IPC 1-7

H02K 5/173

IPC 8 full level

F16C 35/067 (2006.01); **H02K 5/173** (2006.01); **H02K 5/24** (2006.01)

CPC (source: EP US)

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Cited by

DE102018000826B4; CN104925134A; CN102192243A; FR3056843A1; DE102008053569B3; GB2405678A; GB2405678B; WO2005024257A1; EP2295163A2; US8910385B2

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